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project statements for nearly 95 per cent. of their respective allotments and have entered into agreement to construct highways which call for about one half of the Federal-aid money. The projects actually completed and paid for are comparatively few, but they are materially exceeded in number by those which are practically completed. California, Delaware, Illinois, Idaho, Indiana, Iowa, Kansas, Louisiana, Maine, Maryland, Minnesota, Nebraska, New Hampshire, New Jersey, North Carolina, Ohio, Oregon, Pennsylvania, Rhode Island, Utah, Washington, West Virginia, and Wyoming have each submitted approved project statements for all or nearly all of their allotments.

THE BREWSTER COLLECTION OF BIRDS

ANNOUNCEMENT is made by the American Museum of Natural History of a gift by Frederick F. Brewster, of New Haven, Connecticut, of 3,200 specimens of land-birds collected in the West Indies and South America by Rollo H. Beck, under the direction of Dr. Leonard C. Sanford. A very large part of this material, according to Dr. Frank M. Chapman, curator of the department of birds, is new to the museum's collections, and much of it is contained in no other museum in the world. The collection includes 1,500 birds from the West Indies—chiefly the high mountains of Santo Domingo, from which little-known area there is included a series of the recently discovered crossbill and Patagonia sparrow, known heretofore only from a few specimens in the National Museum in Washington; a large series of two distinct new species, known only in the Brewster collection; and the unique type of a new genus of Goat-suckers. There are also 500 birds from Bahia—of great value, since this is a type locality for many species described by the older writers; and somewhat over a thousand specimens from the extreme southern part of South America, including a representative series from Tierra del Fuego and the Falkland Islands, from which localities the Museum was wholly without material.

HAWAIIAN SCIENTIFIC INSTITUTIONS

THROUGH the generosity of the C. M. Cooke estate the University of Hawaii is to have a marine biological laboratory located in connection with Honolulu Aquarium at Waikiki. The last legislature placed the aquarium in the custody of the university. The laboratory is now in process of construction and will be ready for use by mid-summer. Facilities will be provided for work by visiting scientific men as well as by the students and faculty of the university. Biologists planning to visit Hawaii and wishing to use the laboratory are advised to communicate with Professor C. H. Edmondson, the director of the laboratory, as far in advance as possible. A teaching fellowship carrying a stipend of \$750 is open for the next college year and applications will be received from graduate students with sufficient training in zoology and botany.

The trustees of the Bishop Museum in Honolulu and the regents of the University of Hawaii have agreed on the fundamentals of cooperation between the two institutions in scientific investigation and the training of investigators. The general principle of reciprocity in the use of libraries, collections, apparatus and other facilities is laid down and it is also agreed that graduate students in the university may, under proper limitations, have the use of the museum and may carry on part or all of their research under the direction of members of the museum staff. Work done in this manner will be counted toward advanced degrees by the university. The plans contemplate bringing together all systematic collections not required for teaching purposes at the museum.

SCIENTIFIC NOTES AND NEWS

CAMBRIDGE UNIVERSITY has conferred the honorary degree of doctor of laws upon Dr. Simon Flexner, director of the laboratories of the Rockefeller Institute for Medical Research.

At the centennial commencement exercises of Colby College the degree of doctor of laws was conferred on George Otis Smith, director of the Geological Survey, a graduate of the college in the class of 1893.

COLGATE UNIVERSITY at its recent commencement conferred the honorary degree of doctor of science upon Colonel Alfred Hulse Brooks, of the United States Geological Survey.

BROWN UNIVERSITY has conferred the degree of doctor of laws on Dr. Vernon Kellogg, of Stanford University and the National Research Council.

UPON the occasion of the Golden Jubilee Commencement of Syracuse University, held on June 14, the honorary degree of doctor of science was conferred upon Edward H. Kraus, professor of crystallography and mineralogy and dean of the summer session of the University of Michigan.

At the seventy-first anniversary commencement of Baylor University, the honorary degree of doctor of laws was conferred on Robert Thomas Hill in recognition of his geologic work in the southwest and the tropical and sub-tropical regions. Dr. Hill will continue his researches upon the geology and geography of the Texas and southern California regions during the summer season.

DR. ELIAS POTTER LYON, dean of the University of Minnesota Medical School, was granted the degree of doctor of laws by the St. Louis University at its recent commencement.

A TABLET in honor of Dr. Charles K. Mills was unveiled at the Philadelphia General Hospital on June 17. Dr. Mills resigned last October after forty-two years' service as chief of the neurologic staff at the hospital. The tablet is of bronze, 48 by 28 inches, with a bas-relief medallion of Dr. Mills' head surmounting it.

ELMER D. BALL, of the Iowa Agricultural College, has been appointed assistant secretary of agriculture. Since his graduation from the Iowa Agricultural College Dr. Ball has been a teacher in agricultural colleges and an investigator of scientific and agricultural problems. He has been dean of the Utah Agricultural College and director of the experiment station, and state entomologist of Wisconsin.

DR. ALBERT C. HERRE, director of the school of hygiene and professor of biology in the Washington State Normal School, Bellingham, Washington, has accepted appointment as chief of the division of fisheries in the Bureau of Science, Philippine Islands.

DR. PEYTON ROUS has been promoted to be a member in pathology and bacteriology of the Rockefeller Institute for Medical Research.

DR. MARSTON TAYLOR BOGERT, professor of chemistry in Columbia University, has been appointed by the president a member of the United States Tariff Commission.

DR. A. C. BOYLE, JR., for ten years professor of mining, metallurgy and economic geology at the Wyoming School of Mines, has been appointed geologist for the Union Pacific Railroad Company.

MR. KENNETH P. MONROE has resigned as chemist in the color laboratory, U. S. Bureau of Chemistry, Washington, D. C., to accept a research position in the Jackson Laboratory of E. I. du Pont de Nemours & Company, Wilmington, Del.

DR. A. G. HUNTSMAN, of the Biological Board of Canada, has visited Washington for a conference with the Bureau of Fisheries in regard to trade names of fishes and other aquatic products for use in the United States and Canada. Dr. Huntsman conferred also as to fishery and oceanographic investigations that may be pursued by the United States and Canada on both coasts under a cooperative arrangement.

PROFESSOR W. B. HERMS, of the University of California, has established a temporary summer laboratory in the Sacramento Valley near Vina, Tehama county, California, for the purpose of investigating certain malaria-mosquito problems in that vicinity, notably factors governing breeding habits of anophelines, their egg-laying habits and per cent. of infection. Three species of Anophelines are present; namely, *A. occidentalis* (western variety of *A. quadrimaculatus*), *A. punctipennis* and *A. pseudopunctipennis* together with a prevalence of malaria. Collaborating with Professor

Hermis is Professor S. B. Freeborn, also of the University of California and a small group of students. The present intensive investigation follows a general malaria-mosquito survey of California which was completed last summer.

PROFESSOR WARREN D. SMITH, of the University of Oregon, has been given leave of absence to spend a year in geological work for the Philippine government, as chief of the Division of Mines of the Bureau of Science at Manila.

PROFESSOR FRANK T. MCFARLAND, department of botany, University of Kentucky, has been granted a leave of absence for the year 1920-21. He will spend this summer and next year in study at the University of Wisconsin. While on leave, Professor McFarland's place will be filled by Mr. E. D. Hull, a graduate of the University of Chicago.

By action of the convention of the Sigma Xi Society at its meeting in St. Louis, a limited charter was granted to the University of North Dakota. The installation exercises of this chapter were recently held, Dean Lauder W. Jones, of the University of Minnesota, presiding. These exercises consisted in the formal installation of the chapter on the evening of June 2, followed by the initiation of four active members elected from the faculty, and five associate members from the graduates and the senior class. The exercises were followed by a banquet. On the morning of June 3, Dean Jones addressed the university convocation on the subject of "Science and industry." A fuller account of the proceedings will appear later in the *Sigma Xi Quarterly*.

DR. IRA REMSEN, formerly president of Johns Hopkins University, delivered the commencement address at West Virginia University on June 15. His subject was "This is the Age of Science." After the commencement exercises Dr. Remsen was entertained by the members of the West Virginia Alumni Association of Johns Hopkins, six of whom are heads of departments in the state university.

UNIVERSITY AND EDUCATIONAL NEWS

CORNELL UNIVERSITY has received an anonymous gift from a professor and his wife of a trust fund for an institute of pure and applied mathematics. The gift amounts to \$50,000 and is to be held in trust for a hundred years and allowed to accumulate.

WALLACE W. ATWOOD, professor of physiography at Harvard University, has been appointed President of Clark University, succeeding President G. Stanley Hall, of the university, and President Edmund C. Sanford, of the college. Dr. Hall, who has been president of the University and professor of psychology for thirty-two years reached his seventy-fourth birthday on February 1.

HECTOR JAMES HUGHES, professor of civil engineering and director of the Harvard Engineering Camp, has been chosen dean of the Harvard Engineering School to take the place left vacant by the retirement of Dean Comfort Avery Adams.

W. H. CHANDLER, professor in pomology at the New York State College of Agriculture, has been appointed vice-director of research at the Cornell University Agricultural Experiment Station. Professor Chandler has been at the college as professor in research in pomology since 1913.

DR. NORMAN McDOWELL GRIER has been appointed professor of biology at Washington and Jefferson College to succeed Dr. Edwin Linton, who has retired under the provisions of the Carnegie Foundation.

DR. ARTHUR W. HAUPT, formerly professor of biology at Carthage College, Carthage, Ill., has been elected to the chair of biology at Saint Lawrence University, Canton, N. Y.

THE following changes have been made in the department of medical zoology of the school of hygiene and public health of the Johns Hopkins University. New appointments: Dr. Chas. E. Simon, lecturer in medical zoology; Mr. D. L. Augustine, assistant in helminthology; Dr. W. H. Taliaferro, from instructor to associate in protozoology; Dr. F. M. Root,